

Date: Fri, 12 Aug 94 04:30:06 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #901
To: Info-Hams

Info-Hams Digest Fri, 12 Aug 94 Volume 94 : Issue 901

Today's Topics:

 ..from an aspiring ham
 Exam Questions
 Heard on 2M simplex
 IC-2400 mods
 In plain English...
Morse tutor-like program for Mac?
 PKGOLD Enhanced PROBLEMS
Question about power supply for HTX-202.
 Vanity Callsign Update ???
 Which code learning m

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 11 Aug 94 09:13:16 -0500
From: news.delphi.com!usenet@uunet.uu.net
Subject: ..from an aspiring ham
To: info-hams@ucsd.edu

Joe Herman <slammy@chop.isca.uiowa.edu> writes:

>I also think I've decided what I want as my first unit...I want to get the
>Kenwood TH-22AT - it's a 2m handheld...and if anyone has any feedback about it
>- I'd love to hear what you have to say - please bear in mind that I'd like to
>get into packet radio - and if you know how well this radio works for packed -
>I'd love to hear what you have to say - I've seen it around for about \$250
>which seems to be the industry standard....well, wish me luck on the exam -

>and I hope to be on the air soon!

I know three hams who have the 22at and they all say that the lack of a backlit keypad is the main drawback, otherwise they love 'em. It will work for packet, but keep in mind that under any high-power high duty cycle ops, the rig will get VERY hot. run as little power as you must to make a good packet contact, and your rig will thank you.

you may want to check out the yaesu mini 2m ht (ft11r??) as i have heard nice things about them as well

73 and good luck
pete brunelli, n1qdd

Date: 11 Aug 1994 21:00:16 GMT
From: athos.cc.bellcore.com!oscar!hw@uunet.uu.net
Subject: Exam Questions
To: info-hams@ucsd.edu

My apologies if this is part of an FAQ, but I have not seen information on where to obtain the question pool for amateur examinations. I would appreciate information on where I could obtain the question pool for downloading.

TNX es 73,

Harold
KB2M
hw@oscar.bellcore.com

Date: 7 Aug 1994 12:56:56 -0700
From: ihnp4.ucsd.edu!news.cerf.net!ccnet.com!ccnet.com!not-for-mail@network.ucsd.edu
Subject: Heard on 2M simplex
To: info-hams@ucsd.edu

Todd Jonz (tcj@infoseek.com) wrote:
: Clifton T. Sharp (clifto@indep1.chi.il.us) wrote:

: > Heard today on 2M simplex FM in the OSCAR subband: "The radio
: > will operate single sideband, code wave and FM."

: I wonder if the rig comes with both wave encode and decode, or whether the
: encoder is an installable option? ;-)

The encoders are a simple plug-in option. The decoders are only available
to Generals and higher licencees. Some of us early Technicians also have
this option. ;^)

Bob

--

Bob Wilkins	work	bwilkins@cave.org
Berkeley, California	home	rwilkins@ccnet.com
94701-0710	play	n6fri@n6eeg.#nocal.ca.usa.noam

Date: 11 Aug 1994 18:45:27 GMT
From: athos.cc.bellcore.com!oscar!hw@uunet.uu.net
Subject: IC-2400 mods
To: info-hams@ucsd.edu

I would like to find the instructions for
modification of the ICOM IC-2400 dual-band
transceiver. If you have the instructions,
or can direct me to a mod file that has it,
I would be most appreciative.

TNX,

Harold
KB2M
hw@oscar.bellcore.com

Date: Thu, 11 Aug 1994 07:35:54 -0400
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!newsserver.jvnc.net!rohvm1!
roh033.mah48d@network.ucsd.edu
Subject: In plain English...
To: info-hams@ucsd.edu

In article <CuC28G.HHw@spk.hp.com>, depaul@spk.hp.com (Marc DePaul) wrote:

> I've read a lot of EMI/RFI hazard stuff and now I'm even
> more confused as to whether I'm going to die from radiation
> or not...

>
> Let me get a straight forward answer, in plain, direct English
> if MY particular ham set up will eventually kill me:
>
> I'm running a TS850 (100 W) with the rig placed approximately
> 3 ft from my body. I sometimes use my Clipperton L amplifier
> which pumps out about the legal limit...this is placed five
> feet from my body. I use an OPEN balanced antenna tuner
> which uses two roller inductors and three very large capacitors;
> this and some of the prefab ladder line is nine feet away from
> my body. I mainly do SSB on 40/20/17 meters.

The reason you're confused is that the fright-mongers can blithly say,
"Radiation is going to kill you," while those who try to make rational
statements haven't the luxury of such blanket statements.

If history is any guide, the tens of thousands of living hams are proof
that, No, it's not going to kill you, or make you sick, or make your hair
fall out, or any of the other horrendous things the fright-mongers use to
attack everything technological. Is that plain enough? Nobody has ever
established any link between the radiation from operating an HF amateur
radio station and any health-related problem.

Go enjoy the hobby and stop reacting every time some Luddite screams "doom"
at technology. :-)

--

John Taylor (W3ZID) | "The opinions expressed are those of the
roh033.mah48d@rohmmaas.com | writer and not of Rohm and Haas Company."

Date: Thu, 11 Aug 1994 12:27:08 GMT
From: worldbank.org!lgoodin.worldbank.org!user@uunet.uu.net
Subject: Morse tutor-like program for Mac?
To: info-hams@ucsd.edu

Once upon a time, I ftp-ed a Morse program for the Mac -- I think it was
even called "Morse Tutor," although I could be wrong. I also seem to
recall it was written by a German.

I need to find it again! Any suggestions as to sites?

Thanks and 73,

Laura

~~~~~

Laura E. Goodin, PP-ASEL | Only by attempting the absurd can  
lgoodin@worldbank.org | we achieve the impossible.

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Date: 10 Aug 1994 18:15:02 -0700  
From: news.cerf.net!gopher.sdsc.edu!nic-nac.CSU.net!channel.ecst.csuchico.edu!  
yeshua.marcam.com!insosf1.infonet.net!news.i-link.com!news.sprintlink.net!  
cyberspace.com!cyberspace.com@ihnp4.ucsd.edu  
Subject: PKGOLD Enhanced PROBLEMS  
To: info-hams@ucsd.edu

TO ALL HAMS USING PKGOLD ENHANCED

I have ran into a problem with the latest version of PKGOLD Enhanced  
with Pactor. It seems to exit the program with the following:

DISK ERROR 100  
DISK READ error  
record -1 in GOLD.BD

This is found on the screen after the program dumps out. Timing of the  
exit from the program is random meaning 5hrs or 1hr after loading the  
program and has even done it while in the connect mode as well. It will  
leave the TNC open so that the buffer fills up and no connects can  
happen. Having the \*\*\*SAME\*\*\* version for the Kantronics TNC (KAGOLD)  
for use with the KAM+ and the KPC models and using the \*\*\*SAME\*\*\* computer  
\*\*\*WITHOUT\*\*\* ONE problem at any time and I can leave it without worry  
PKGOLD I can not do that at all. (also tried it on other computers with the  
same results)

One other problem I have notice is that opening a connect window it is  
full of junk chars which should not be there. ?????????? (PKGOLD ONLY)

Interfex claims it doesnt have any problems and thinks it mine. Why can  
I run the same versin for the Kantronics TNC without any problems but  
yet I can not run the PKGOLD (extra cost) with the AEA products.  
(PK-232, PK-88, PK-96)

Also how many commercial programs leave out the manual because you have it  
with your other versions of gold

Has anyone seen or have the so called DUALPORT PKGOLD yet.

Richard N7VWJ

Send replys to the following:

Packet Address            N7VWJ@N7DUO.#WWA.WA.USA.NA  
AMPRnet Address        n7vwj.ampr.org 44.24.101.54  
E-MAIL Address        ranger@eskimo.com

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Date: Wed, 10 Aug 1994 13:11:10 GMT  
From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!usc!  
howland.reston.ans.net!gatech!wa4mei!ke4zv!gary@network.ucsd.edu  
Subject: Question about power supply for HTX-202.  
To: info-hams@ucsd.edu

In article <znr776465957k@crl> drice@crl.com (Dennis Rice) writes:  
>I just bought (or am in the process of buying) a power supply for my  
>HTX-202. However the power supply is 13.8VDC and 3A. I know the 202  
>works fine at ~13.5VDC and 2A (car battery). Will the slightly higher  
>voltage and amperage cause a problem? If it is a problem, I should  
>just be able to add a resistor in series to get the amperage down,  
>correct?

The nominal voltage of a fully charged car battery is 13.8 volts. That's why most fixed supplies put out that voltage. In a car, the charging system can increase that voltage to 14.5 volts, sometimes even 16 volts, so the radio has to be able to work with that if it can be run off the car. All you care about as far as supply current rating is concerned is if it can put out \*enough\* current. The radio will only draw as much as it needs, so a bigger supply is not a problem.

This is a basic Ohm's Law problem. Model the circuit like this:

-----  
+|                            |  
Bat 13.8V                    Radio 6.9 ohms  
-|\_\_\_\_\_|

Assume the radio is a resistor (it's the load), and that if the radio normally needs 2 amps at 13.8 volts, it has a resistance value of 6.9 ohms. Now it doesn't matter how much current the 13.8 volt supply is \*capable\* of producing, at 13.8 volts it can only push 2 amps through a 6.9 ohm resistor.  $I=E/R$  or  $13.8/6.9=2$  amps. The only way the supply can push more than 2 amps through the radio is if the supply \*voltage\* is increased, or the radio resistance is somehow decreased (it can do that by outputting more RF or AF power). Let's assume a auto charging system voltage of 14.5 volts. Now how many amps will be pushed through the radio? The answer will tell you why higher voltage batteries allow HTs to transmit more power. (Remember  $P=I \times E$ )

Now obviously solid state devices have an upper voltage limit, and exceeding that limit will destroy the device via voltage breakdown and current avalanche. So you never want to use a supply that has a higher voltage than the equipment is rated for. However, most equipment has a built in \*safety\* margin of about 20%, so you can \*usually\* apply a voltage of about 16.5 volts to a 13.8 volt rated radio without destroying it. A few tenths of a volt difference from rated voltage should never be a problem.

Gary

--

|                             |  |              |  |                          |
|-----------------------------|--|--------------|--|--------------------------|
| Gary Coffman KE4ZV          |  | You make it, |  | gatech!wa4mei!ke4zv!gary |
| Destructive Testing Systems |  | we break it. |  | uunet!rsiatl!ke4zv!gary  |
| 534 Shannon Way             |  | Guaranteed!  |  | emory!kd4nc!ke4zv!gary   |
| Lawrenceville, GA 30244     |  |              |  |                          |

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Date: 11 Aug 1994 06:48:45 -0400  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!mailer.acns.fsu.edu!  
freenet3.scri.fsu.edu!freenet3.scri.fsu.edu!not-for-mail@network.ucsd.edu  
Subject: Vanity Callsign Update ???  
To: info-hams@ucsd.edu

I agree: what is the latest on the new FCC Vanity Call  
Sign program? Where is Form 610-V?

ARRL--any information on this one?

Michael Christie, K7RLS  
Crawfordville, Florida

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Date: Thu, 11 Aug 94 10:12:00 -0500  
From: iat.holonet.net!cencore!forrest.gehrke@uunet.uu.net  
Subject: Which code learning m  
To: info-hams@ucsd.edu

CE>Hi Ken, I have a stupid question. Does anybody actually send Farnsworth-  
CE>sounding code on the air? I've never heard it on the air and am wondering  
CE>why learn sounds in a way that will not be encountered in operation?

The reason is that nearly all electronic keyers are not designed to send code that way, though there are a few. As you probably have been told, Farnsworth code is meant to force learners to recognize a character by its complete sound and not by counting

dots and dashes. As your speed comes up you will eventually be sending/receiving code in the 15 to 20 wpm range and that matches Farnsworth character speed.

The Supermorse program for learning code does use the Farnsworth method.

--k2bt

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≥ SLMR 2.1a ≥ Experience is the comb life gives you after you're bald.

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Date: Thu, 11 Aug 94 13:10:45 -0500  
From: news.delphi.com!usenet@uunet.uu.net  
To: info-hams@ucsd.edu

References <benacpCu8uFJ.1A8@netcom.com>, <1994Aug9.133027.9422@ke4zv.atl.ga.us>, <benacpCuAy74.241@netcom.com>  
Subject : Re: Car warrantee and 2m radio

Peter P. Benac <benacp@netcom.com> writes:

> Ambulances are not built by the auto manufactures but by refitters and they  
>do not provide any special shielding.

Oh, really? Then why did that new ambulance I saw the other day say "Ford" on the front rather than "Emergency-Five" as was marked on the side?

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Date: Thu, 11 Aug 1994 07:41:58 -0400  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!newsserver.jvnc.net!rohvm1!roh033.mah48d@network.ucsd.edu  
To: info-hams@ucsd.edu

References <1994Aug10.103830.1@aspen.uml.edu>, <32bm8a\$iu2@news.csus.edu>, <32bot3\$45r@agate.berkeley.e>,  
Subject : Re: Which code learning method? Why?

In article <32bot3\$45r@agate.berkeley.edu>,  
kennish@kabuki.EECS.Berkeley.EDU (Ken A. Nishimura) wrote:

> In article <32bm8a\$iu2@news.csus.edu>, Dan Brown <dbrown@NEWS.CSUS.EDU> wrote:  
> >In article <1994Aug10.103830.1@aspen.uml.edu>, martinja@aspen.uml.edu wrote:  
> >  
> >: I believe you will hear 5WPM at 5WPM at the exam session.  
> >



> > My exam used some variety of Farnsworth.  
>  
> The ARRL exams are as follows:  
>  
> 1A: 5 WPM at 16 WPM Farnsworth  
> 1B: 13 WPM at 18 WPM Farnsworth  
> 1C: 20 WPM at 22 or 23 WPM (can't remember)

They must have more than one set of exam tapes. The Element 1A tapes we use at our VE sessions (ARRL tapes) are \_no way\_ 16 wpm characters! They're \_slow\_. I couldn't say if they're actually 5 wpm characters, but definitely not 16.

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John Taylor (W3ZID) | "The opinions expressed are those of the  
roh033.mah48d@rohmmaas.com | writer and not of Rohm and Haas Company."

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End of Info-Hams Digest V94 #901

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